

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004009

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04C29/00 F04C29/10 F04C25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F04C F04D H01L C23C F04B H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 316 045 B1 (BERNARD ROLAND ET AL) 13 November 2001 (2001-11-13) figure 1 column 2, line 27 - line 36 column 4, line 63 - column 5, line 2 column 5, line 53 - column 6, line 20 column 7, line 27 - line 35 -----	1-6, 12-14, 17 7, 11, 16
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 03, 28 April 1995 (1995-04-28) & JP 06 342785 A (FUJITSU LTD), 13 December 1994 (1994-12-13) abstract figure 1 -----	7, 11
A	-----	2, 4
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents:

- A• document defining the general state of the art which is not considered to be of particular relevance
- E• earlier document but published on or after the international filing date
- L• document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O• document referring to an oral disclosure, use, exhibition or other means
- P• document published prior to the international filing date but later than the priority date claimed

- T• later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X• document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y• document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- &• document member of the same patent family

Date of the actual completion of the international search

30 November 2004

Date of mailing of the international search report

17/12/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lequeux, F

INTERNATIONAL SEARCH REPORT

Inter	nal Application No
PCT/GB2004/004009	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/034880 A1 (OHIWA TOKUHISA ET AL) 21 March 2002 (2002-03-21)	16
A	figure 18 paragraph '0141! - paragraph '0146! paragraph '0168! - paragraph '0174!	1-4, 17
A	EP 0 320 956 A (HITACHI LTD) 21 June 1989 (1989-06-21) figures 1, 4, 6 column 1, line 30 - line 42 column 2, line 18 - line 35 column 3, line 52 - line 55 column 5, line 39 - column 6, line 40 column 7, line 13 - line 16	1, 17
A	US 6 224 326 B1 (PUECH MICHEL) 1 May 2001 (2001-05-01) figure 1 column 1, line 29 - line 43 column 4, line 19 - line 63 claim 10	1, 17

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter	nal Application No
PCT/GB2004/004009	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date	
US 6316045	B1	13-11-2001	FR EP WO JP US US	2808098 A1 1190285 A1 0182019 A1 2003532283 T 2002022283 A1 2002153102 A1	26-10-2001 27-03-2002 01-11-2001 28-10-2003 21-02-2002 24-10-2002
JP 06342785	A	13-12-1994	JP	3013652 B2	28-02-2000
US 2002034880	A1	21-03-2002	JP JP	2002100608 A 2002217166 A	05-04-2002 02-08-2002
EP 0320956	A	21-06-1989	JP JP DE DE EP KR US	1163492 A 2515831 B2 3879423 D1 3879423 T2 0320956 A2 9306375 B1 4984974 A	27-06-1989 10-07-1996 22-04-1993 24-06-1993 21-06-1989 14-07-1993 15-01-1991
US 6224326	B1	01-05-2001	FR EP	2783883 A1 0985828 A1	31-03-2000 15-03-2000